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Outdoor power station factory in Zambia





Overview

What is Zambia's energy sector?

Zambia's energy sector has traditionally drawn power from its abundant hydropower resources, which supply up to 90% of the country's electricity. This reliance once enabled power exports to neighbouring countries and supported economic growth.

What are the main hydroelectric power stations in Zambia?

Zambia's main hydroelectric power facilities are the Kariba North Bank Power Station (1,080 MW), Kafue Gorge Power Station (980MW), Kafue Gorge Lower Power Station (750 MW), Victoria Falls Power Station (108 MW), Lunsemfwa Hydro Power Station (56 MW), and the Itezhi Tezhi Hydro Power Station (120 MW).

Does Zambia need hydroelectricity?

While Zambia is highly dependent on hydroelectricity, some diversity has emerged with thermal and solar power plants beginning to contribute to the power generation and supply complement in just under a decade. Maamba is a coal plant currently contributing 300MW to the grid. It is located in Southern Province and has been in production since 2016.

Does Zambia have a solar power plant?

Maamba Collieries Limited operates Zambia's largest IPP, a coal-fired thermal power plant commissioned in 2016, which can generate up to 300 MW. Zambia's installed solar capacity is 89 MW.



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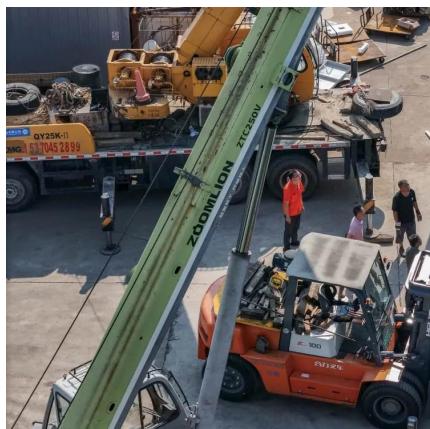
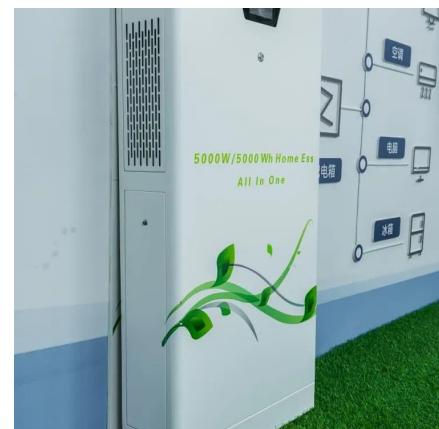


[List of power stations in Zambia](#)

Zambia has five large power stations, of which four are hydroelectric and one is thermal. A fifth hydroelectric power plant is under construction at Itezhi-Tezhi Dam (120MW) along with a coal ...

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